

**Amendments to the Specification:**

Please replace the paragraph beginning on page 5, line 6, with the following amended paragraph:

These and other objectives are achieved by the present invention which provides a system that comprises at least two integrated processors. According to the present invention, these two processors are operably connected via a communication channel for exchanging information. One processor (P1) has a processor bus, a shareable unit, and a DMA unit with two external DMA channels. The DMA unit and the shareable unit are connected to the processor bus. The other processor also has a shareable unit and a DMA unit with two external DMA channels. Programmable units are employed enabling the processor to set-up the desired communication links. Due to this arrangement, two bi-directional communication ~~channel-channels~~ are establishable between the two bus regimes.